

20000910.qrp v01_n940.qrl.20000910

Date: Sun, 10 Sep 2000 19:03:14 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1940

QRP-L Digest 1940

Topics covered in this issue include:

- 1) [79156] Re: Ugly HB vertical - Tent pole antennas
by "Robert Follett" <bfollett@email.msn.com>
- 2) [79157] N2CQ on the AT in VA
by "Ron Polityka" <wb3aal@fast.net>
- 3) [79158] RE: QRP - best starter kit?
by "Charles Mabbott" <crmabbott@mediaone.net>
- 4) [79159] Re: QRP - best starter kit?
by Jim/Julia <w7ls@blarg.net>
- 5) [79160] SOC- K9IUA's brief foray into the SOC Marathon
by Kevin L Anderson <k9iua@juno.com>
- 6) [79161] Need Help
by Levent Sasmazel <levent@netlabs.net>
- 7) [79162] Re: TECHNICAL- Coax
by "ptaber" <ptaber@flash.net>
- 8) [79163] Re: SOC- K9IUA's brief foray into the SOC Marathon
by "Chuck Carpenter" <w5usj@globeco.net>
- 9) [79164] Re: Ugly HB vertical results
by Rick McKee <kc8aon@juno.com>
- 10) [79165] Re: "To sweat or not to....."
by Marty <N5NW@midsouth.rr.com>
- 11) [79166] Re: "To sweat or not to....."
by "ptaber" <ptaber@flash.net>
- 12) [79167] [79095] Center Insulator for the top of the DK9SQ Mast?
by Brian Kassel <bkassel@dancris.com>
- 13) [79168] PSK31 Sunday sprint - Problems
by W5HNSQRP@aol.com
- 14) [79169] FOX - Winter Hunt Teams -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 15) [79170] FOX - Winter Hunt Teams -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 16) [79171] Appalacian Trail Ops
by "Mark Fancher" <mmfanche@gateway.net>
- 17) [79172] Second Thoughts
by "George, W5YR" <w5yr@att.net>
- 18) [79173] Re: SOC#1 now on 14.060 at 2235
by Dave Fifield <fifield@pacbell.net>
- 19) [79174] Slightly viewing impaired?

- by neil <neil@aade.com>
- 20) [79175] Re: Wire antenna, co-ax fed, multiple bands
by aweiss@usd.edu (Ade Weiss W0RSP)
 - 21) [79176] Re: Appalacian Trail Ops
by "Ron Polityka" <wb3aal@fast.net>
 - 22) [79177] Re: Thanks for another Oustanding Vol.2 No2 of the QRP Homeberwer
by "Jean Jibouleau" <jiboulj@globetrotter.net>
 - 23) [79178] N2CQ on AT in VA
by "Ron Polityka" <wb3aal@fast.net>
 - 24) [79179] Re: DK9SQ Mast insulator - NOT?
by "Steve/n0tu" <n0tu@webaccess.net>
 - 25) [79180] Ugly HB vertical results
by Robert McAtee <w5tnj@camalott.com>
 - 26) [79181] WB3GCK on the AT in PA/MD border
by "Ron Polityka" <wb3aal@fast.net>
 - 27) [79182] Re: [79095] Center Insulator for the top of the DK9SQ Mast?
by Bruce Grubbs <n7ceeqrp@earthlink.net>
 - 28) [79183] Re: Wire antenna, co-ax fed, multiple bands
by Bruce Grubbs <n7ceeqrp@earthlink.net>
 - 29) [79184] Re: Wire antenna, co-ax fed, multiple bands?
by "Cla KA0GKC" <ka0gkc@arrl.net>
 - 30) [79185] Transceiver by Randy Henderson
by "CDF" <res043pa@gte.net>
 - 31) [79186] RE: QST Mar 1948 circuit?
by "Harley L. Miller" <hmiller@sound.net>
 - 32) [79187] Re: Transceiver by Randy Henderson
by n2go@arrl.net
 - 33) [79188] Thoughts on Working DX
by "James R. Duffey" <jamesd1@flash.net>
 - 34) [79189] More on hose clamps
by ARDUJENSKI@aol.com
 - 35) [79190] Highly Recommended _ wasRe: Thoughts on Working DX
by "Scott Hotchkiss" <w4pj@bellsouth.net>
 - 36) [79191] Re: Wire antenna, co-ax fed, multiple bands?
by "M0CQG" <m0cqg@dial.pipex.com>
 - 37) [79192] PSK-31 Sprint
by "Karl F. Larsen" <k5di@zianet.com>
 - 38) [79193] argonaut repair note
by n2go@arrl.net
 - 39) [79194] Re: Wire antenna, co-ax fed, multiple bands?
by Randy Prakken <rlp@swiftview.com>
 - 40) [79195] Re: Wire antenna, co-ax fed, multiple bands
by "Cla KA0GKC" <ka0gkc@arrl.net>
 - 41) [79196] Re: Ugly HB vertical results
by Rick McKee <kc8aon@juno.com>
 - 42) [79197] PSK-31 Discussion reflector
by BOBOBOB1@aol.com
 - 43) [79198] Re: PSK-31 Discussion reflector

- by GElam30092@aol.com
- 44) [79199] FS - Complete HW-9 Station
by radioham@home.com
- 45) [79200] SOC flop
by Elda & Doug Wilson <ewilson@nccn.net>
- 46) [79201] Re: Wire antenna, co-ax fed, multiple bands
by Rick McKee <kc8aon@juno.com>
- 47) [79202] Re: Wire antenna, co-ax fed, multiple bands
by Rick McKee <kc8aon@juno.com>
- 48) [79203] K6G on 10 meters
by N10DL@aol.com
- 49) [79204] FS - Tejas Packpacker II 30 Meter QRP Transeiver
by Karl Banaszek <kaylon@golden.net>
- 50) [79205] QRP PSK-31 Srint fun
by "Karl F. Larsen" <k5di@zianet.com>
- 51) [79206] KLQRP Net News
by Paul Stroud <aa4xx@ipass.net>
- 52) [79207] Re : To sweat or not to
by JOHN FISHER <ve7fdg@mad.scientist.com>
- 53) [79208] psk-31 Sprint
by Bruce Rattray <rattray@gpfn.sk.ca>
- 54) [79209] SOC test agn?
by "Terres Family" <terresfm@ncia.net>

Date: Sat, 9 Sep 2000 17:33:37 -0600
From: "Robert Follett" <bfollett@email.msn.com>
To: <N10DL@aol.com>
Cc: "QRP-L Group" <qrp-l@lehigh.edu>
Subject: [79156] Re: Ugly HB vertical - Tent pole antennas
Message-ID: <022e01c01ab6\$f2db4400\$76440e3f@MSNbfollett>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Aron:

Don't know if this is an answer for you, but....

There was an article in QST, December 1995, by one of our own, Robert Capon, WA3ULH, who had created a 20M vertical using a tent pole.

The article stated that A&A Engineering, in CA, sold the tent pole -15' long.
(normally, you can't find a tent pole that small, yet that long). I ordered

one, and it came with the directions for making it into a 20M antenna.

The good part, is that it folds to maybe 18" or less, and is very light -- 11 oz. It needs to be mounted into a short piece of PVC, where you would attach the radials.

The bad news is that it won't stand by itself, since the diameter is around 3/8". So it needs a guy ring, three strings, and tent pegs. If you can live with that, its a great travel antenna for 20M, when you can't depend on trees being available.

If you need more info, let me know (have the original article), or contact A&A, (714) 952 2114 -- they advertise in the ham mags.

As Lew, N5ZE mentioned, the same QST article also goes into detail on making a two vertical phased version.

73, Bob

Bob Follett AB7ST
3133 American Saddler Dr.
Park City, UT 84060 (435) 649 6457

Date: Sat, 9 Sep 2000 19:42:14 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [79157] N2CQ on the AT in VA
Message-ID: <003201c01ab7\$a63e1e00\$79745fcc@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ken, N2CQ, is CQing on 7043.4 @ 23:40 UTC.
He is real strong here in Eastern PA, 599++.

72 & 73
Good DXing

Ron Polityka
de WB3AAL

wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv

<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call

N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

Date: Sat, 9 Sep 2000 19:53:55 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <K4IA@aol.com>, <qrp-1@Lehigh.EDU>
Subject: [79158] RE: QRP - best starter kit?
Message-ID: <000001c01ab9\$37370b00\$0201a8c0@mw.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would have to go with Dave Benson's SW?? kits, my first starter kit and had no experience at all before starting. Had a couple of quirks [my fault, not kit] and had some help getting it fixed up. But all in all I would recomend it very highly for a beginner, clear easy to follow instructions.

73 ES oo
Chuck AA8VS
fp-113

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of K4IA@aol.com
Sent: Saturday, September 09, 2000 9:51 AM
To: Low Power Amateur Radio Discussion
Subject: QRP - best starter kit?

Date: Sat, 09 Sep 2000 17:17:06 -0700
From: Jim/Julia <w7ls@blarg.net>
To: crmabbott@mediaone.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79159] Re: QRP - best starter kit?
Message-ID: <39BAD302.89400D4@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I second that recommendation. Small Wonder kits are great. For a beginner, a real frustration is the errors you find in kit instructions. SWL kits have very few errors, if any. The novice builder can't 'read between the lines', to figure out just which part is supposed to go where, when there is a misprint in the callout for a particular part.

I wish more kit makers would proofread their instructions. Jim W7LS

Charles Mabbott wrote:

> I would have to go with Dave Benson's SW?? kits, my first starter
> kit and had no experience at all before starting. Had a couple of
> quirks [my fault, not kit] and had some help getting it fixed up.
> But all in all I would recomend it very highly for a beginner,
> clear easy to follow instructions.
>
> 73 ES oo
> Chuck AA8VS
> fp-113
>
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> K4IA@aol.com
> Sent: Saturday, September 09, 2000 9:51 AM
> To: Low Power Amateur Radio Discussion
> Subject: QRP - best starter kit?

Date: Sat, 09 Sep 2000 20:12:06 EDT
From: Kevin L Anderson <k9iua@juno.com>
To: qrp-1@lehigh.edu
Subject: [79160] SOC- K9IUA's brief foray into the SOC Marathon
Message-ID: <20000909.190852.5367.0.K9IUA@juno.com>

Family activities kept my time on SOC brief.
Netted 5 member Qs and 2 nonmember Qs,

all on 20m, for a total of 29 QSO points. With 6 SPC and a power factor of x7 (I was 5 watts), I believe my math comes to 1,218 points. True to form for a second-class operator, my fingers were all thumbs on the paddle for some crummy Morse. N4BP was in there calling steady for the last hour. My weakest QSO was with AA1CA in New Hampshire, who reported 3 watts of power.

Cheers/73. Kevin, K9IUA (formerly KB9IUA),
SOC NR 30
p.s. This event needs more advertisement.

* * * * *
Kevin Anderson, K9IUA, Lincoln/Bismarck ND
e-mail: K9IUA@juno.com Opinions all my own.
* * * * *

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 9 Sep 2000 20:32:46 -0400
From: Levent Sasmazel <levent@netlabs.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79161] Need Help
Message-ID: <01C01A9D.1DD32B60.levent@netlabs.net>

I am trying to test my new antenna I will be at the 14058 Khz starting now thill 2100 Local (NJ).

Thanks and 73s
KC2CNY

Date: Sat, 9 Sep 2000 18:33:04 -0600
From: "ptaber" <ptaber@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79162] Re: TECHNICAL- Coax
Message-ID: <000501c01abe\$b0dc2620\$09068c82@abq.sc.philips.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't let the others confuse you. Old coax is very dangerous stuff. Coil it carefully and mail it to me for safe disposal. (I do not charge for this service....)

>>>==>PStJTT (NM5A)

Date: Sat, 09 Sep 2000 19:40:44 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: k9iua@juno.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [79163] Re: SOC- K9IUA's brief foray into the SOC Marathon
Message-ID: <3.0.2.32.20000909194044.00695108@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, I missed it too but I was concentrating on the last VHF contest of the season. So far, that's turned out to be zip to nothing at this QTH.

I heard Bob right at the very tail end and tried some calls at 1 W. No results then the event was over.

I don't recall seeing the SOC event on the list though.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sat, 9 Sep 2000 19:55:44 EDT
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [79164] Re: Ugly HB vertical results
Message-ID: <20000909.204311.4303.0.kc8aon@juno.com>

Ho Gang,

I have a friend (also a ham) that does construction work, and last year during the local A.R.E.S. group's Amateur Radio Awareness Day Event he use a telescopic fiberglass measuring pole for an antenna support. This pole is used in his work everyday and is 30 feet long extended and about

8 feet long when collapsed. It's about 1.75 inches in diameter at the butt end, and about 1 inch at the tip and it's very sturdy ! I'll shoot him an email to find out who makes them and where to get them.

Best 73 & Don't get on a power trip !
Rick McKee, KC8AON Willow Wood, Ohio
QRP-L #2112 AR-QRP #269 Flying Pigs #33

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 09 Sep 2000 19:58:28 -0500
From: Marty <N5NW@midsouth.rr.com>
To: qrp-l@lehigh.edu
Subject: [79165] Re: "To sweat or not to....."
Message-ID: <q0nlrsoc9simko3e39c5p039o69d1v7eoe@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Sat, 09 Sep 2000 19:21:25 +0100, Arjen Raateland =
<Arjen.Raateland@vyh.fi>
wrote:

>Look for these type of 'phones at aviation goods suppliers. Pilots wear
>'phones for long periods and so the phones need to be comfortable. There
>are other brands besides Peltor who make 'phones for pilots. David
>Clarke is one of them, but I have no experience with other brands. Of
>course most of these aviation type 'phones have a microphone on a boom.
>I bought mine through the internet from a US firm called Marv Golden.

These headphones typically have an aircraft plug -- an odd four conductor=
job.
Ideally, there would be an adapter of some sort, but I've never found =
one. Is
the only answer to rewire the headset, to split the phones and mic plugs?

--
Marty, N5NW

Lakeland (Memphis), Tennessee
http://marty.w.tripod.com/
N5NW@midssouth.rr.com

Date: Sat, 9 Sep 2000 19:03:57 -0600
From: "ptaber" <ptaber@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79166] Re: "To sweat or not to....."
Message-ID: <000901c01ac2\$ffbe19c0\$09068c82@abq.sc.philips.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Different strokes, I guess. I have always found aviation headphones to be too tight. The Kenwoods -- HS5's -- have always been very comfortable for me. The Kenwoods do have metal bands in the over-the-head section, so they are meant to be "custom fitted" by bending the earcups out carefully. Aviation headsets, in my experience, don't adjust well that way because by the time you get the head pressure right, you've defeated the ear seals.

>>>==>PStJTT

Date: Thu, 07 Sep 2000 20:34:35 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, kfglynn@mindspring.com
Subject: [79167] [79095] Center Insulator for the top of the DK9SQ Mast?
Message-ID: <39B85E4B.E705F48C@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kevin F. Glynn wrote:

"Hi gang,

Was wondering what to use as a center insulator for the DK9SQ mast"

Kevin:

I don't use any insulator at all! I just soldered two small metal collars made from tubing that is of an inside diameter about that of the top section of the mast, to each end of the dipole. As the mast tapers down to a progressively thicker diameter, I squeezed one of the collars a bit with pliers. Now we have one collar that slips down the mast a bit more than the squeezed collar. Now, just use alligator clips to clip the feed line to each side, the pole itself is now the insulator. Less, weight too, no extra insulator, or any other apparatus to secure the insulator to the mast. Works for me.

Brian K7RE
AZ ScQRPions

Date: Sat, 9 Sep 2000 22:04:14 EDT
From: W5HNSQRP@aol.com
To: qrp-1@lehigh.edu
Subject: [79168] PSK31 Sunday sprint - Problems
Message-ID: <f2.28f38b3.26ec461e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I am trying to wire up the mic cord for a Kenwood TS 930 for the PSK31 4 hour run tomorrow and have run into a snag. Hopefully someone can tell me what is going on with the Kenwood as I cannot utilize the PTT feature on the software. I already have PSK31 wired for my Yaesu FT 920 and everything works fine.

Here is what is happening. I am using Digipan software. Using a interface that prevents ground loop and feedback problems. All of this works just fine on the Yaesu.

I have wired the mic cable and plug as follows. Using pin 1 as the mic connection.
Using pin 2 as the PTT connection and using pin 8 (center) as ground. Going through the interface, I cannot key the transmitter. It does on the Yaesu (using its own properly wired mic cord).

Bypassing the interface and going directly between computer audio out and mic on TS930 the xmtr is instantly keyed. Then I can go to TX on digipan and type.

I have checked for shorts, rewired the cable numerous times. Even experimented with using pin 7 for ground instead of pin 8. Switched pin 1 and 2. That

keyed the xmtr through the interface as well as direct...instantly.

If someone can unravel this mystery I would be most grateful.

I can cut my power to 2 watts on the Kenwood but cannot do that on the Yaesu.

Thank you

Henry Schneider
W5HNS Pasadena, Texas

Date: Sat, 9 Sep 2000 20:14:41 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [79169] FOX - Winter Hunt Teams -
Message-ID: <Pine.LNX.3.95.1000909200238.4359C-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....7 Teams so far...has the hunt been officially announced yet?.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

The Raiders of the Lost RF -
Mary - NA6E
Fred - VE3FAL
Rob - VE6JAZ
Earl - VA6RF
Bruce- VE5RC

The Big Dawgs -
N1FN - ET
N5TW - Tom
WJ1R - Larry
NW7DX- Ben
N6WG - Bob

The ScQRPions -
Floyd - NQ7X
Brian - K7RE
Conard- WS4S
Chuck - K7QO
Bob - NK7M

The Flying Pigs #1 -
Diz - W8DIZ
Rick - WB6JBM
Dan - N8IE
Brian- KB9BVN
Dave - KB5MHS

The Cheeseheads -
Jerry - N9AW
Rick - NK9G
Lou - W9XU

The Houston Hounds -
Bill - K5ZTY
Bill - W5SB
Terry- KQ5U

Dan - KK5LD
->one more pse<-

...if you form a Team of 5 members for the Winter 40 mtr Fox Hunt, please e-mail me direct so I can put you on the Teams listing.

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
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The Big Dawgs -
N1FN - ET

N5TW - Tom
WJ1R - Larry
NW7DX- Ben
N6WG - Bob

The Flying Pigs #1 -
 Diz - W8DIZ
 Rick - WB6JBM
 Dan - N8IE
 Brian- KB9BVN
 Dave - KB5MHS

```
The Houston Hounds -  
  
Bill - K5ZTY  
Bill - W5SB  
Terry- KQ5U  
Dan - KK5LD  
->one more pse<-
```

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[illegible]

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A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sat, 9 Sep 2000 23:12:16 -0400
From: "Mark Fancher" <mmfanche@gateway.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79171] Appalacian Trail Ops
Message-ID: <00a701c01ad4\$edb49e40\$5810273f@GEARemote>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="windows-1255"
Content-Transfer-Encoding: 7bit

Boy, sure is tough to hear any QRP AT guys on 40m with the Sprint. Does anyone know if they plan to be on later tonight?

Mark Fancher, W09G
mmfanche@gateway.net

Date: Sat, 09 Sep 2000 23:59:10 -0500
From: "George, W5YR" <w5yr@att.net>
To: qrp-L@Lehigh.EDU
Subject: [79172] Second Thoughts
Message-ID: <39BB151E.7088231F@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Upon re-reading my copy of the posting I made earlier re the differences between contesting and DXing, it occurs to me that I innocently but clearly omplied that our beloved Fox Hunters - better known as The Hounds - fall into the same category as the "typical tester" who I so thoroughly disparaged in my description.

I hereby apologize to any and all participants of our Fox Hunts for my failure to separate the Hounds from the rest of the contest world.

I can honestly say that in my 55 years of hamming that I have never participated in a group amateur radio activity involving an element of competition in which a fairer, better mannered group could be found than our Hounds. Their signals are uniformly clean. Their fists are good and highly readable. They demonstrate in each Hunt their abillities to copy weak signals under adverse conditions.

Their spirit of competition mixed with politeness and consideration for others is not to be equalled in any other amateur radio event that I am

aware of. Their patience is unquestioned. Their enthusiasm is unequalled. While there are intentional limits on power and the inevitable real-world limits on antennas, our Hounds enter into each Hunt feeling second to no one, and they produce the Fox pelts to prove it.

I have never considered myself to be a "contester" although I have participated in many contests over the years. But I profess with great pride to being a Hound and feel that I am a much better amateur operator since participating in the Hunts.

Again, my sincere apologies to anyone that I may have offended.

Now, on to the Fall/Winter Hunts!

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556
(12/99)

Date: Sat, 09 Sep 2000 22:12:52 -0700
From: Dave Fifield <fifield@pacbell.net>
To: N10DL@aol.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79173] Re: SOC#1 now on 14.060 at 2235
Message-ID: <002f01c01ae5\$c5954160\$0100a8c0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

I tried to get him but gave up after about 10 minutes calling.
He couldn't hear me. Later on, when I went back to the rig I realized why...turns out I was on split and transmitting on 40 meters!

72, Dave, AD6A

Subject: SOC#1 now on 14.060 at 2235

> Go get him...he's CQing with no takers....except for me....YES....
> Aron
> N10DL

Date: Sat, 09 Sep 2000 22:20:03 -0700
From: neil <neil@aade.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79174] Slightly viewing impaired?
Message-ID: <39BB1A03.CBD20C8E@aade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I found a reasonable source for headband
magnifiers
so I bought a bunch and pass them along at
moderate
profit.

If you've been looking for some help seeing to
solder
those tiny parts or read their values this is an

economical chance.

I use these myself when assembling kits or
reading
parts values.

<http://www.aade.com> and click on the picture of
the
head band magnifier.

--

Neil
<http://www.aade.com>
<mailto:neil@aade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Sun, 10 Sep 2000 07:25:11 GMT
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-l@Lehigh.EDU
Subject: [79175] Re: Wire antenna, co-ax fed, multiple bands
Message-ID: <200009100526.AAA02959@sunburst.usd.edu>

No, you cannot feed your vertical + radials directly with coax except at resonance.

Otherwise, you will waste up to 4.5dB in SWR feedline loss regardless of whether you use a tuner at the xmtr.

72, Ade

Date: Sun, 10 Sep 2000 07:39:07 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, <mmfanche@gateway.net>
Subject: [79176] Re: Appalacian Trail Ops
Message-ID: <002301c01b1b\$bb820060\$760e5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="windows-1255"
Content-Transfer-Encoding: 7bit

Hi Mark,

Ken, N2CQ , will be on the trail for a few more days. This is his schedule.

Sept. 10 at Big Meadows, Skyline Drive, VA
Day: 1300 UTC until 2200 UTC
Evening: 2300 UTC until 0300 UTC

Sept. 11 (Evening) thru Sept. 12 (Evening)
Near Harpers Ferry, WV
Evening: 2300 UTC until 0300 UTC
Day: 1300 UTC until 2200 UTC

Sept. 13 Washington Monument State Park, MD (near Boonsboro)
1300 UTC until 2300 UTC

40 meter CW (7043 +\ -) On the even hours UTC
20 meter CW (14062 +\ -) On the odd hours UTC
15 meter CW (21062 +\ -) On the odd half hour UTC

----- Original Message -----

From: "Mark Fancher" <mmfanche@gateway.net>
Subject: Appalachian Trail Ops

> Boy, sure is tough to hear any QRP AT guys on 40m with the Sprint. Does

> anyone know if they plan to be on later tonight?
>
> Mark Fancher, W09G
> mmfanche@gateway.net

Hope this helps.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.n3epa.org
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

Date: Sat, 9 Sep 2000 20:40:22 -0400
From: "Jean Jibouleau" <jiboulj@globetrotter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [79177] Re: Thanks for another Outstanding Vol.2 No2 of the QRP Homeberwer
Message-ID: <000001c01b1f\$f7881280\$9c95a98e@n8w8k5>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 8bit

You are absolutely right OM.
This magazine is TERRIFIC.
I just notice on the labbel that I still have only 1 issue left before my
subscription ended. I will send money for a new subscription before the end
of the week. I dont want to miss any of those "jewels". Hey, it is saturday
night, better hurry, the week is ending.

Jean VE2GHI

PS:. I wonder... If I send money for 2 years, it will save a stamp. Dont smile, there is no such thing like QRP saving ;-))

----- Message d'origine -----

De : "Sam Billingsley" <SBillingsley@usaninc.com>

: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Envoy : 9 septembre, 2000 15:20

Objet : Thanks for another Outstanding Vol.2 No2 of the QRP Homebrewer

> In response to the editorial in the latest issue of the NJ Homebrewer where

> Geroge had apologized for the issue being late:

>

> I wrote:

> George, No apology necessary, each issue has been worth the wait !!

> Thanks too for the recognition of NoGa QRP and Mike W3IRZ.. He's a great

> contributor to our club. Thanks again to you and NJQRP.. BTW, I just

> finished my TT2 and with some important help from AD4S Pickett, he advises

> me that my TT2 is putting out 400 millwatts, and right on freq... 72 AE4NY

> Russ

>

> I just thought the qrp-l group should know that we do care about these group

> efforts.

>

> Well George wrote back:

> 400mW from a TT2?? That's *very* good. The average power output from

> people I've heard of doing the kit is 50-300mW. You must have a hot final

> transistor :-)) Did you do the power mods specified in our TT2 App Note?

>

> I replied:

>

> No,I didn't do the mods on the TT2, and as to the 400 mw, I'm going by

> Pickett's measurements, but I do have confidence in him..

>

> *****

> This msg is forwarded the the qrp-l by Sam AE4GX at Russ's request. Russ

> is not a qrp-l subscriber and can't send msgs becuae his server system

> can't handle the msg volume. He does follow the qrp-l via the archives

> lookup.

>

>

>

>

Date: Sun, 10 Sep 2000 09:36:31 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [79178] N2CQ on AT in VA
Message-ID: <007e01c01b2c\$220a8680\$760e5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ken, N2CQ, is CQing on 7042.2 @ 13:35 UTC
He is a 599 in Eastern PA.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

Date: Sun, 10 Sep 2000 09:41:13 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [79179] Re: DK9SQ Mast insulator - NOT?
Message-ID: <008601c01b3d\$8d7e6600\$d208710f@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Like Brian I like to keep it simple and lightweight. But before I leave home I prepare the feedline and elements by soldering my RS 300 ohm lightweight feedline directly to the 'element' wire (# 26 Teflon). Once in the field, I then place a half-hitch in the wires(apex end) and slip it over the top of the DK9SQ top section. I also place a cable tie on the mast above and below the wires to keep them from sliding off during wind gusts. This helps keep the mast nice and vertical. Instead of looking like it your reeling in a 2 pound bull fish! It seems to work FB for me. Steve/n0tu

-----Original Message-----

From: Brian Kassel <bkassel@dancris.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Saturday, September 09, 2000 7:34 PM

Subject: [79095] Center Insulator for the top of the DK9SQ Mast?

>Kevin F. Glynn wrote:

>

>"Hi gang,

>

>Was wondering what to use as a center insulator for the DK9SQ mast"

>

>Kevin:

>

> I don't use any insulator at all! I just soldered two small metal
>collars made from tubing that is of an inside diameter about that of the
>top section of the mast, to each end of the dipole. As the mast tapers
>down to a progressively thicker diameter, I squeezed one of the collars
>a bit with pliers. Now we have one collar that slips down the mast a
>bit more than the squeezed collar. Now, just use alligator clips to
>clip the feed line to each side, the pole itself is now the insulator.
>Less, weight too, no extra insulator, or any other apparatus to secure
>the insulator to the mast. Works for me.

>

>Brian K7RE

>AZ ScQRPions

>

Date: Sat, 09 Sep 2000 16:20:50 -0500

From: Robert McAtee <w5tnj@camalott.com>

To: qrp-l@Lehigh.EDU

Subject: [79180] Ugly HB vertical results

Message-ID: <3.0.3.32.20000909162050.007ba420@mail.camalott.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

That sounds interesting Greg. I've don't that using a helical wind, no idea of how much, #20 enamel wire on two telescoping fishing rods and raised em as a dipole, coaxial fed. If I recall I had pretty good luck with that rig. I think I'll try your idea, might beat my 25 foot or so wire in my living room. ==Mac== AG5f, Abilene, TX.

>Howdy folks,
>Got a bug in my ear... took an 8 ft piece of PVC..wrapped it in speaker wire
>with turns roughly 1/2 inch apart. Fed at the bottom by a single wire
feed.
>The "vertical" is near a window and is held in place by the floor and
ceiling
>like one of those 60's lamps. With the MFJ's on 20 and 40...I'm purely
>amazed at the results. More QSO's and better signal reports. I'm curious,
>has anyone in the group made a similar antenna ? My elmer (W9JMG recently a
>silent key) said in the 30's guys would get on 160 by wrapping a bamboo pole
>in wire. What kind of results have you folks gotten if you've done
something
>similar ?
>Thanks and 72
>Greg WB9MII
>

Date: Sun, 10 Sep 2000 11:18:01 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [79181] WB3GCK on the AT in PA/MD border
Message-ID: <00c201c01b3a\$4fd22880\$760e5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just worked Craig, WB3GCK on the PA/MD border
on the Appalachian Trail. 7040.9 @ 15:15 UTC

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

Date: Sun, 10 Sep 2000 08:10:48 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: bkassel@dancris.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79182] Re: [79095] Center Insulator for the top of the DK9SQ Mast?
Message-ID: <4.3.2.7.0.20000910080129.00b192c8@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy all,
I suspend the apex of a 40m delta loop from the DK9SQ mast with a small nylon wire tie that's been pulled tight a couple of inches from the top. I use a couple of inches of #26 teflon wire to support a 1/2" Fastex Delrin webbing buckle, and then the antenna wire slides through the buckle.

I used the buckle because I had one around, and also because it weighs almost nothing and the openings have smoothly rounded edges so the wire can slide freely.

By using a triangular delta loop, I avoid having to run a feedline up the mast. The two lower corners are tied out to whatever's handy. It's fed with a short piece of TV twin lead at one of the lower corners.

My favorite antenna using the DK9SQ is a 40m vertical fed with twinlead, using 16 seven foot radials. It goes up in 10 minutes, anywhere. (See my article in the ARS Sojourner, www.natworld.com/ars, for details on that one...)

By the way, it's good to have a slight bow in the mast, because then the wind doesn't loosen the sections.

72,
Bruce N7CEE

Date: Sun, 10 Sep 2000 08:22:36 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: aweiss@usd.edu, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [79183] Re: Wire antenna, co-ax fed, multiple bands
Message-ID: <4.3.2.7.0.20000910081942.03421478@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ade,
I've had good results feeding a 1/4 vertical with balanced line (TV twinlead for portable ops, tx-type twinlead for home installation), then using a 4:1 balun and coax at the transmitter end. A ZM-2 tuner or K2 ATU tune it on all bands 40-10.

72
Bruce N7CEE

Date: Sun, 10 Sep 2000 10:46:28 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: "QRP-1" <qrp-1@lehigh.edu>, <m0cqg@dial.pipex.com>
Subject: [79184] Re: Wire antenna, co-ax fed, multiple bands?
Message-ID: <007f01c01b3e\$81a3eca0\$02000000a@mcg.net>

Hello Mike,

I have two suggestions for you.

----- Original Message -----

From: "M0CQG" <m0cqg@dial.pipex.com>

| My main antenna currently is a vertical wire + radials fed via an SGC SG-230
| auto-coupler at the bottom of the garden. This setup works well, however as
| most of my work is now QRP, the SG-230 can be an inconvenience, as it needs
| a minimum amount of power in order to tune correctly.

I would look very seriously into modifying the SG-230. I've never seen one but it's a good guess it has some kind of bridge for sensing forward and reverse power just like any watt/SWR meter. The mod may be as simple as readjusting a couple pots, at worst I would think you'd need to rewind a couple toroids. I would consider this the best solution.

| - and I'm concerned
| that in addition to power loss, I'll end up with RF coming back up the
| feeder. Whilst this won't be a problem at QRP levels, if I ever run the

| setup QRO, I'll risk significant RF interference problems. So, would an RF
| choke balun at the feed-point remove / reduce this problem? If so, what's
| the best type to use - ferrite bead, co-ax loop, toroidal, etc.??

You will have an additional power loss using the manual tuner in the shack.
Your vertical is an unbalanced antenna and coax is the correct match here,
although parallel feeders could be used and would lower the loss
considerably. But is it worth it? You should take a few minutes and figure
out exactly what that will be with coax and parallel line. Any radio handbook
and most antenna books describe how to do this and will have charts. It's
really pretty easy. Keep in mind that the S unit is 6db, so a difference of 1
to 2db is probably not very significant. With this information it should be
easy to decide the best way to go given your situation and skill level. So
the choices are, modify the SGC SG-230 automatic tuner or use the manual tuner
with either coax or parallel line.

I don't think you risk much RF interference problems using good coax, but if
you do, the bead balun would be the best choice here and also if you decide on
parallel feeders.

Hope this Helps.

73 de Cla KA0GKC

Date: Sun, 10 Sep 2000 11:51:26 -0400
From: "CDF" <res043pa@gte.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [79185] Transceiver by Randy Henderson
Message-ID: <001301c01b3e\$fb513760\$879a153f@eypwdog>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All.

I was wondering if anyone on the list is building the
Intelligent Amateur Radio Transceiver as found in the
book by the same name written by Randy Henderson.
I am about to order the board set from Far Circuits and was wondering if any
one on the list has any pros or cons.

Thanks in advance,

Charlie

The Truth Is Out There. This Is Who WE Are

WA8CUL	QRP-L #1752
Charles D. Feigley Sr	SOC #394
1516 Toledo St.	TT Argosy II @ 5 W
Holiday, Florida	
34690	
EL88JN	

Date: Sun, 10 Sep 2000 10:59:01 -0500
From: "Harley L. Miller" <hmliller@sound.net>
To: QRP-L@LEHIGH.EDU
Subject: [79186] RE: QST Mar 1948 circuit?
Message-ID: <39BBAFC5.F5883106@sound.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Many thanks to all who responded to my post about the mystery circuit. It has been identified as the "Improved Break-In Keying" article by Byron Goodman W1DX, appearing in the Mar 1948 QST pages 64-67. I do have the required tubes and everything seems to be in good physical shape, so I'll try playing around with it and see how it works. I may 'borrow' the tranny from the circuit for a glowbug project, but plan to keep it intact and restorable. I have no idea when it was actually built, but judging by the components used, it was likely about 1948 vintage homebrew.

The response and help provided by a number of list members is as heartwarming as the glow of old tube equipment. Thanks to all who helped and no less thanks to all who tried.

Harley WB0ROQ
KCMO

Date: Sun, 10 Sep 2000 12:03:56 -0400 (EDT)
From: n2go@arrl.net
To: CDF <res043pa@gte.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79187] Re: Transceiver by Randy Henderson
Message-ID: <Pine.LNX.4.20.0009101200510.321-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am building it. I work very slowly and I am easily distracted.
I have three rigs that are upside down and open at the moment in various stages of repair. I just orderd some parts two days ago for the intelligent transceiver which I dubbed *K3* for short.
If you have any trouble locating parts I might be able to point you in the right direction, having been there and done that.

73,

Jim n2go

Date: Sun, 10 Sep 2000 10:48:02 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>, <k9iua@juno.com>
Subject: [79188] Thoughts on Working DX
Message-ID: <B5E11761.272C%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Kevin - I read your post and thought I would share some thoughts on DXing with you and the list. I am not an avid DXer, but I try to work it if I hear it. To my standards, I would say that your 42 countries on QRP in 6 months isn't so bad. Of course if you are shooting for 100 in a year and you do the projection, I can see where you might get worried. Here are some tips that I find useful. They may or may not apply to your situation, but I think somebody may find them useful:

1. If you don't already have it, get a copy of Bob Locher's (W9KNI) book on DXing. It is chock full of good tips. In a quick perusal of my Ham Library (Located in three different locations in the house) I was unable to find my copy, (Who did I loan it to?) but I am sure that somebody on the list can provide you with the exact title. It is chock full of tips that will help you work DX.
2. You have to be on the bands to work DX, so get on as much as you can, even when the bands are rotten. If you have trouble getting on, encourage yourself by putting a piggy bank on your operating desk and dropping a dollar bill in it every time you start an operating session. You can pay for a K-2 in a little over a year and a half of daily operating this way.
3. Get on the bands at unusual times. Go to bed an hour earlier and get up an hour earlier to operate around sunrise. The bands are different then and

you will have entirely different DX to chase. Also you can take advantage of greyline propagation. Instead of going to bed on Friday or Saturday night after returning from a night out, brew a pot of coffee, get on the air, and operate in the wee hours.

4. Nearly every DXer will tell you that listening is the key to DXing. I agree, but you need to get on to listen so I emphasize getting on first. You need to listen with a purpose. Develop a listening plan. I start on the highest band open, since absorption will be lowest and a QRP station will have the best chances for getting a contact. I start at the low end of the band and go up. Listen to every station on the band. Determine where the station is and who the station is talking to. Finding a domestic station working DX is almost as good as finding a DX station. Listen for keys to DX; weak signals, fluttery signals, signals with a poor note (no wise comments from those of you who attended Tuthill), and domestic station with excitement in the fist from working a new one. After you have gone from one end of the band to the other, reverse directions and listen again. If I have not uncovered unworked DX after a few trips up and down the band, I go to another band. Not every DX station has a pileup, so I think that this way of listening is more effective than merely looking for a pileup.

5. It helps to keep a list of those stations you have worked and those you have QSLs from as you listen on the band. You can do this on paper, or some computer program will track this information. If you hear a station you need and can't work him right away it helps to put him in a memory, or note what frequency he is on, so you can work him later.

6. DXers, like you and I, are creatures of habit. If he was on a certain band at a certain time one day, the chances are good he will be on at roughly the same time, and band, on another day.

7. Knowing when to listen is helpful. If you don't have or use a propagation program I suggest getting one and using it. It will tell you statistically when the band is open to where. It doesn't do much good to look for DX on a band that doesn't support DX. Also, monitoring the NCDXF beacons help to tell you if the band is open, to where the band is open.

8. If there is a DX packet cluster in your area, monitor it for DX alerts. This information is also available on the Net, but is less localized, so you need to wade through a lot more posts to find something useful. Before the DX Clusters were around, many stations announced DX on the local repeater or gave a friend a phone call when a new one came up. You might get some of the more avid DXers in your area to help you out this way.

9. Now would be a good time to upgrade if you don't have an Extra Class license, as there is lots of DX in that lowest 25 kHz. With high CW speed no longer a requirement for the Extra, those DX rich portions of the band should be within every QRPers reach.

10. As you found out in the IARU contest, contests are a good source of DX. Thirteen new ones in a weekend is a good accomplishment, particularly given the summer conditions. There are several fall DX contests which should have better conditions. If you are looking for countries, do not expect to operate the contest as you normally would. Search and pounce, and only work those new ones you don't have QSLs from. In the early stages of the contest the pileups will be horrendous, but you may have some luck working them, particularly on the higher bands. At the end of the contest the big contest stations, even the rare ones, will be begging for contacts and there will be relatively little competition for their affections.

11. Some contests are better than others for new ones. The ARRL DX contest is good, as it is the World working the US. The CQ DX contests are good as they take place over holiday weekends so you can plan your sleep around the contest. When 10 M is open, the ARRL 10 M contest is very productive for new ones.

12. Many of the big gun contesters set up a few days prior to the contest, and they can often be worked then. This is particularly true for those big gun East Coast DXers who go down to the Carribean and operate from exotic islands with special stations during contests.

13. Some big contest stations don't QSL contest QSOs as they work so many stations in a contest, so work those countries you don't have QSL cards from as often as you can (different stations/bands of course) in hopes that at least one will QSL.

14. Many contesters run multi-multi stations, which means that they have a station going on each band around the clock, whether the band is wide open or not. You may be able to take advantage of this by working long path during a time when the band is not normally open and there is not much activity. It is surprising where 10 M can be open to at 0300 (local) in the morning when somebody is on there.

15. Being a contrarian also helps a bit in contesting. A big contest takes a lot of the competition off the streets. Working DX on the WARC bands during Sweepstakes is a good strategy, as most avid contesters are also DXers, and the competition is gone, but the DX is still there as they can't work Sweepstakes! This also works to some extent during regular contests; those DX stations who are not contesters are still on, usually on the WARC bands, and the competition for these stations is reduced as most of the potential competition is off working the contest.

16. Dxpeditions can be useful, but I would concentrate trying to work them during the later parts of the DXpedition, as the big guns are usually out in force during the first stages.

17. In a contest or DXpedition, I would advise against telling the DX you are working that you are QRP. That is extraneous information to him. He is trying to put as many stations in the log as possible as quickly as possible, and the QRP information slows him down.

18. The WARC bands are good hunting grounds as they seem less populated with DX chasers than the normal bands, but there seems to be as much DX on these bands. Ten MHz, or 30 M, is a particularly good band for QRP DXing. The power limits, 250 W, and the fact that most stations have modest antennas, means that the spread between the loudest stations on the band and the weakest is not that great.

19. There is often DX available on the SSB portion of the band when none is heard on CW, so if all you want are new countries I would also operate SSB in addition to CW. I know this may be heresay to those on the list, but it is true. If you want DXCC, mixed mode is as good as CW only.

20. I would take a look at your antenna patterns with a program like EZNEC to see if you have any nulls in your antenna patterns. You can't work DX if you can't put a signal in the DX station's direction. Depending on what antenna you are using, you may have a peak toward a particular direction on one band, and a null in another one. You may wish to erect another antenna to fill in any nulls.

Good luck in your chase. Having a goal is important in DXing too. Let us know how it all turns out. We are cheering for you. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 10 Sep 2000 13:05:48 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [79189] More on hose clamps
Message-ID: <f9.2997d9c.26ed196c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Here is some more (expanded info) on the stainless steel hose clamps. Please note that they will send you a sample pack so you can see the difference. It is well worth taking a look. make sure you check out the engineering data by

clicking on HOME. My aluminum antennas don't leave home without them (nor do our fishing boats) smile- Alan KB7MBI Woodinville, WA

<http://www.abaofoamerica.com/products.html>

Click here: ABA products index

Date: Sun, 10 Sep 2000 13:13:29 -0400
From: "Scott Hotchkiss" <w4pj@bellsouth.net>
To: <jamesd1@flash.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79190] Highly Recommended _ wasRe: Thoughts on Working DX
Message-ID: <005901c01b4a\$713fa460\$55d04dd8@w4pj>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The reason you couldn't find your copy?
You hadn't read it too long a while. <g>
Highly recommended reading for ANY
HF operator and now that I've retrieved my copy
in response to this thread,

The Complete DX'er
by Bob Locher, W9KNI
IDIOM PRESS
Box 583, Deerfield, IL 60015
Copyright 1983

I'll just HAVE to read it again.
de W4PJ

Scott R. Hotchkiss
Fort Lauderdale, Florida
----- Original Message -----

From: "James R. Duffey" <jamesd1@flash.net>
Subject: Thoughts on Working DX

> Kevin - I read your post and thought I would share some thoughts on DXing
<SNIP>

> 1. If you don't already have it, get a copy of Bob Locher's (W9KNI) book
on
> DXing. It is chock full of good tips. In a quick perusal of my Ham Library
> (Located in three different locations in the house) I was unable to find
my

> copy, (Who did I loan it to?) but I am sure that somebody on the list can
> provide you with the exact title. It is chock full of tips that will help
> you work DX.

Date: Sun, 10 Sep 2000 17:30:21 +0100
From: "M0CQG" <m0cqg@dial.pipex.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79191] Re: Wire antenna, co-ax fed, multiple bands?
Message-ID: <005d01c01b4e\$608b12e0\$6211bc3e@UKsolsf56>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who gave advice on this :-)

As usual, I've learned from the various comments. First off, I didn't know you could use balanced feeder to an unbalanced antenna simply by using a balun in between. Kind of seems obvious now, but there you go!

One suggestion was to modify the SG-230, and while this sounds like the best route, I'm not confident enough in my electronics skills (yet!) to do so (though maybe I'll check to see if it's just a pot adjustment - even *I* can handle that!).

I'm using good quality co-ax to the SG-230 - 100ft of RH100, which should exhibit pretty low loss on HF, so I think I'll try a bead balun at the antenna end and the manual tuner back in the shack...

Wish me luck... :-)

Thanks & 73

Mike
M0CQG

Date: Sun, 10 Sep 2000 11:45:48 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [79192] PSK-31 Sprint

Message-ID: <Pine.LNX.4.10.10009101135490.1048-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Today at 2000 Z which is 2pm MDST there will be a psk31 sprint.
The rules are simple: Work a station once. Exchange is RST, State, ARCI
number or power if not a member. We will be on about 14.070.150 for 4
hours.

All the contest data is found at:

<http://personal.palouse.net/rfoltz/arci/psk31.htm>

and you can check that before, during or after the sprint. I will be there
with my Digipan ver 1.3 driving my TS-140 to 5 watts through a AT-11 tuner
to my TH6DXX beam. I plan to beam east most of the time with a period west
for CA OR and WA stations. I will point North for ND and points farther
north,

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 10 Sep 2000 13:49:25 -0400 (EDT)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [79193] argonaut repair note
Message-ID: <Pine.LNX.4.20.0009101329590.321-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, it works. Since others have reversed the voltage to their argonauts
505, I am posting this to the list.

The last leg of the repair involved replacing the driver 2N4427 (from
Dan's small parts \$2.50) and the finals. The finals were a pair of 2n3553
from BG Micro (house marked 4013) for a buck each.

The rig is now up to spec. Next step is to order a dial cord and pointer
from Ten Tec.

One oddity during the repair....

When I had the wattmeter connected the meter quivered at the zero point

when I put the rig to the lock position. I traced it down to the XMTR pin on the control board. Apparently there was a small hairline crack in the pcb trace next to the pin. I cleaned off a small adjacent green coating on the trace and placed a blob of solder to bridge the defect. Presto full (read that... PUNY) output to the wattmeter on all bands. I hope this info will be helpful to someone.

Next repair job is my Dentron HF200A, the \$15 fixer upper from the Batavia hamfest. That one may be my psk31 rig.....

73,

Jim n2go

Date: Sun, 10 Sep 2000 11:08:22 -0700
From: Randy Prakken <rlp@swiftview.com>
To: m0cqg@dial.pipex.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79194] Re: Wire antenna, co-ax fed, multiple bands?
Message-ID: <39BBCE16.3E0FE743@swiftview.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> I understand that there will be a severe impedance mismatch
> between the feeder and the antenna on numerous bands - and I'm concerned
> that in addition to power loss, I'll end up with RF coming back up the
> feeder.

You get power back at you by definition. Any mismatch reflects power. Power loss happens because as much as most of the power is reflected back to the transmitter. Depending on what is at your transmitter end it can be thrown away or rattle back and forth between there and the antenna until most of it is gone. Open line works better than coax because it has less loss and absorbs less per 'rattle'.

> Whilst this won't be a problem at QRP levels,

Actually it's worse in some sense at QRP because you don't have any power to waste.

Randy
K7ZSB

Date: Sun, 10 Sep 2000 13:57:06 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <aweiss@usd.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79195] Re: Wire antenna, co-ax fed, multiple bands
Message-ID: <011501c01b59\$4a951f20\$0200000a@mcg.net>

"Ade Weiss W0RSP" <aweiss@usd.edu> wrote:

| No, you cannot feed your vertical + radials directly with coax except at resonance.

Ade, although the loss will be minimum at resonance, you can still feed the vertical with coax on different bands. It's no different then feeding a multiband dipole using coax except it's not a balanced antenna.

| Otherwise, you will waste up to 4.5dB in SWR feedline loss regardless of
| whether you use a tuner at the xmtr.

Without knowing the actual SWR on the different bands and the type and length of the coax the loss could be much higher or considerably lower than 4.5db. Much better to actually figure the loss out before dismissing the idea of using coax.

73 de Cla KA0GKC

Date: Sun, 10 Sep 2000 15:03:10 EDT
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [79196] Re: Ugly HB vertical results
Message-ID: <20000910.150818.4479.1.kc8aon@juno.com>

Back in the days that I used to build my own fishing rods, I remember using some metal ferules to hold the 2 halves together ! One could use multiple sections of helically wound fiberglass rods (shorter ones for higher bands), and each successive rod would resonate it on the next lowest band. The metal ferules provides the contact between sections, just solder the wires to them. Make the first section resonant on 10 meters, then plug in another and wind it to resonate on 12 meters, then another for 15 and so on. This is where a good antenna analyzer comes in handy. It all breaks down into 4 foot sections, so make a case to carry it in out of pvc pipe, a cardboard mailing tube or even use a fishing rod

case ! Some of the better fishing supply houses carry the fishing rod blanks & ferules, and the one I remember that had the bibbest selection was Herters. They had rod blanks as big around as my fat thumb and bigger ! I guess you could do the same thing with pvc pipe too, just haven't figured out the connection between the individual sections yet.

Best 73 & Don't get on a power trip !
Rick McKee, KC8AON Willow Wood, Ohio
QRP-L #2112 AR-QRP #269 Flying Pigs #33

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 10 Sep 2000 15:13:20 EDT
From: BOBOBOB1@aol.com
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [79197] PSK-31 Discussion reflector
Message-ID: <f4.2995484.26ed3750@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Is there such a thing as a PSK-31 reflector???
If so what is the web site address??

Thanks Bob Gorman
WA1SCH

Date: Sun, 10 Sep 2000 15:29:13 EDT
From: GE1am30092@aol.com
To: BOBOBOB1@aol.com, qrp-l@lehigh.edu
Subject: [79198] Re: PSK-31 Discussion reflector
Message-ID: <3d.ba562e.26ed3b09@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 9/10/00 12:15:03 PM US Mountain Standard Time,

BOBOBOB1@aol.com writes:

<< Is there such a thing as a PSK-31 reflector???
If so what is the web site address?? >>

In a message dated 9/10/00 12:15:03 PM US Mountain Standard Time,
BOBOBOB1@aol.com writes:

<< Is there such a thing as a PSK-31 reflector???
If so what is the web site address?? >>

qth.net has a PSK reflector.....

Cheers,

Gerry, K7LR0

PHX AZ

Date: Sun, 10 Sep 2000 15:38:50 -0400
From: radioham@home.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [79199] FS - Complete HW-9 Station
Message-ID: <3.0.6.32.20000910153850.007b8570@24.2.2.70>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Now that I have a K-2, I need to give one of my HW-9 stations a good home.
This is my main one - took a while to assemble and it all works very well -
in use several times a week (well, until the K-2 arrived, that is).

The complete package includes the HW-9, no mods, with WARC band pack
installed, original paint job, in very good physical and electrical
condition, goes from milliwatts to about 5 watts out (slightly lower on 15,
12 and 10); PSA-9 power supply; HM-9 QRP wattmeter/SWR bridge; HFT-9A
antenna tuner; HD-1422 Antenna Noise Bridge; and HD-1418 Active Audio
Filter with power cube. All come with complete manuals, are matching
colors and everything is in very good or better condition.

I would prefer to sell these as a package - if someone buys the whole
shebang, I will include a Heathkit IM-2400 Digital Frequency Counter with
antenna (BNC connectors) and power cube. This is the older HW/SB series
green - doesn't match HW-9 brown. Good condition, nicads are old, but runs
fine with power cube but no manual.

You all know how much this stuff sells for individually on this list and
the suction sites.

This is a great opportunity for a Heath fan to get the best and last QRP
station all at once.

I am asking \$575 plus shipping for everything. I will sell items individually except for the PSA-9 which stays with the HW-9. Reasonable offers considered.

72/73,

Steve, N4EUK
Reston, VA

Date: Sun, 10 Sep 2000 12:51:11 -0700
From: Elda & Doug Wilson <ewilson@nccn.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [79200] SOC flop
Message-ID: <39BBE62E.FB4B0C08@nccn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Hi Gang,

I was able to get on the last half hour of the SOC test. I thought I might get 10 or 12 Q's.

On 20 m I heard and answered wa4qdm, but wasn't able to get back to him. He was 579 here in Grass Valley, CA.

On 40 m I heard and answered w6jhg who wanted a check on his newly installed PA in his SMK-1. He had a nice 569 sig. I know Tom from WSN, so we had a nice 15 minute chat.

That's it for SOC bragging. I guess I lived up to my classification. I can't remember a less productive contest. Hey, Tom. You saved my day. I enjoyed the qso.

72

--

Doug Wilson k6rpn
Grass Valley, CA

Date: Sun, 10 Sep 2000 16:12:44 EDT
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@Lehigh.EDU, kz8j@juno.com
Subject: [79201] Re: Wire antenna, co-ax fed, multiple bands
Message-ID: <20000910.161355.4479.3.kc8aon@juno.com>

Below are some comparisons between a 135' long dipole fed with 50 ohm coax and 450 ohm ladder line at an average height of 40 feet high, and a feedline length of 50 feet on each and using an antenna tuner on all bands above the design frequency. Match at transmitter is near perfect due to tuner, but SWR values reflects that between the tuner and antenna (this does not change when using a tuner. The efficiency figures reflect the amount of loss in each case.

=====

!35' dipole with 50' of RG8X 50 ohm coax @ 40' height.

Freq in Mhz	SWR	Efficiency
3.5	1.4:1	72%
7.0	9:1	7.2%
10.1	5.5:1	22.7%
14	6.5:1	6.6%
18.1	3.1:1	42.7%
21.0	5.3:1	6.1%
24.9	1.9:1	54.8% not to bad
28.0	4.6:1	5.7%

=====

135' dipole fed with 50' of 450 ohm ladder line @ 40'.

Freq in Mhz	SWR	Efficiency
3.5	64.5:1	83.5%
7.0	58.2:1	87.7%

10.1	7:1	89.6%
14.0	1.3:1	89% very good !
18.1	4.7:1	92.8%
21.0	34.8:1	89%
24.9	18.8:1	91.9%
28.0	67.4:1	87.9%

Notice that on the dipole fed with ladder line, that although the swr values were very high in some cases, the efficiency levels remained high, in fact, they are higher than the near perfect match of the 50 ohm fed version at 3.5 Mhz ! 83.5% verses 72% isn't to shabby considering that ladder line is cheaper than coax ! WHICH DO YOU THINK IS BETTER ?

[illegible]

Date: Sun, 10 Sep 2000 15:25:45 EDT
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [79202] Re: Wire antenna, co-ax fed, multiple bands
Message-ID: <20000910.161355.4479.2.kc8aon@juno.com>

Here's a little tidbit that might shed a little light on the subject,
it's something I put together for our local A.R.E.S. Newsletter called:
Hello Radio, Hope ya'll like it !

Subject: Squeezing out every milliwatt economically,
and gaining multi band operation to boot !By: Rick
McKee, KC8AON The last time I sat down to the keyboard to do my part
for the newsletter(Local A.R.E.S. Newsletter), I explained why low power
works so good - you did read it didn't you ? Well, now I'm going to tell
you a few inexpensive ways to squeeze every bit of power possible out of
your system and put in where it belongs - into the wild blue yonder !
And the easiest and cheapest way that I know to do this is to eliminate

filter, up to 2 watts output power, spot switch for zero beating, vernier-drive tuning, full break-in with no relays, timed sequence differential keying and is enclosed in a scratch-resistant anodized aluminum case. Manual included. \$100.00 US, shipping extra.

72/73

Karl, VE3NPQ
Kitchener, Ontario

Date: Sun, 10 Sep 2000 15:08:31 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [79205] QRP PSK-31 Srint fun
Message-ID: <Pine.LNX.4.10.10009101506230.1321-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well I'm working the guys I hear and calling CQ so things are going real well so far. It's clear I MUST learn to use mackrels because I'm pushing buttons right and left! I'm the slowest stn on the sprint...hi

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 10 Sep 2000 18:29:05 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: klqrp <Klqrp@applegate.org>
Cc: QRP-L <QRP-L@lehigh.edu>
Subject: [79206] KLQRP Net News
Message-ID: <39BC0B31.D7A1CDD7@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

The Knightlite's Sunday evening net will pick back up beginning Oct 1, 2000.

The KLN meets each Sunday evening at 9PM EDT/EST (0130Z/0230Z

respectively) local time. The frequency is 3686.4 KHz.

Net controllers are: Bob-AE4IC, Randy-WJ4P, Dick-N4HAY, John-WB4OFT, and Paul-AA4XX. The NCS will be using the KL Club call, WQ4RP.

All amateurs are invited to check in, whether you are running QRP or QRO.

Check in with whatever code speed you are comfortable with, and the NCS will match your speed--be it slow or fast...

Now would be a great time to get your 80M LW, dipole, or vertical checked out in preparation for the KL Net. We look forward to hearing from you soon.

72, Paul AA4XX

Date: Sun, 10 Sep 2000 18:27:08 -0400 (EDT)
From: JOHN FISHER <ve7fdg@mad.scientist.com>
To: Low Discussion <qrp-l@Lehigh.EDU>
Subject: [79207] Re : To sweat or not to
Message-ID: <384939538.968624828775.JavaMail.root@web312-mc.mail.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Ear buds are good but look for the most sensitive ones. They are rated in dB/mW. Most are about 100 to 104 dB/mW but I did find a set with 108dB/mW made by Sony. They look unusual but are louder than the set with 104dB/mW I could hear the difference. Model number is MDR-W20G .I found them at Sears on sale half price about 12 dollars Canadian.

ve7fdg@mad.scientist.com
2137 duggan rd
nanaimo bc V9S 5N9
canada

FREE Personalized Email at Mail.com
Sign up at <http://www.mail.com/?sr=signup>

Date: Sun, 10 Sep 2000 16:32:27 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [79208] psk-31 Sprint
Message-ID: <Pine.LNX.3.95.1000910162813.4152A-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, that was fun.....and a little different....I only worked 7 stations in the 2 hours but I had a good time learning how to run Digipan and to "do" psk-31.....I was disappointed at my total until I "woke up eh!?" and realized I had been running 2 watts, when I thought I was running 5 watts....HI HI HI....oh well live & learn; die and forget it all!!...looking forward to the next run.....tnx to the organizers and the participants.....and yes, I was watching Woods & Waite on and off at the Glenn Abby Open in Oakville, Ontario.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 10 Sep 2000 15:50:08 -0400
From: "Terres Family" <terresfm@ncia.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79209] SOC test agn?
Message-ID: <001501c01b60\$54482b00\$fb82f3ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey! I have just been accepted into the SOC!!!

So, when does this contest start?

jerry aa1of
SOC#398

End of QRP-L Digest 1940

